United States Patent [19]

Egilmex

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[54] **AEROSOL DEVICE SIMULATING A SMOKING ARTICLE**

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[22] Filed: **Jun. 16, 1987**

[30] **Foreign Application Priority Data**

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[51] **Int. Cl.**[5] **A24F 47/00**; A61M 11/00; A61M 15/06

[52] **U.S. Cl.** **131/273**; 128/200.21; 128/202.21

[58] **Field of Search** 131/273; 128/200.21, 128/202.21

[56] **References Cited**

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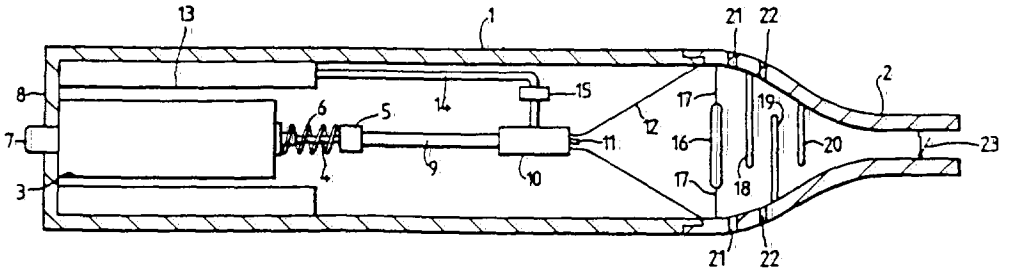
[57] **ABSTRACT**

A nicotine dispensing aerosol device has nicotine and propellant storage containers connected to atomization nozzle from which a nicotine-aerosol spray can flow. A conical aerosol confining chamber extends from the nozzle, the cross-section of the chamber enlarging away from the nozzle. Large aerosol particles are removed by impaction on the upstream face of an impaction member, which member is located in the wider, outlet region of the aerosol confining chamber. A series of baffles are provided downstream of the impaction member, which baffles serve to produce a long, sinuous path for aerosol flow. The duration of the passage of the aerosol from the nozzle to the user is thereby increased, allowing more evaporation of the particulate phase of the aerosol. The device is, therefore, operable to dispense nicotine in an aerosol of a constitution which approximates that of tobacco smoke.

15 Claims, 1 Drawing Sheet



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